

# EASTMAN

## MATERIAL SAFETY DATA SHEET

Revision Date: 01/29/2004  
MSDSUSA/ANSI/EN/15000061031/Version 5.0  
0031135496/0004232507

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name	Pentalyn(TM) K Synthetic Resin
Product Identification Number(s)	P75510C1
Manufacturer/Supplier	Eastman Chemical Resins Inc. 100 Eastman Road Kingsport, TN 37660 US
MSDS Prepared by	Eastman Product Safety and Health
Chemical Name	not applicable
Synonym(s)	800540
Molecular Formula	not applicable
Molecular Weight	not applicable
Product Use	industrial chemical
OSHA Status	nonhazardous

For emergency health, safety & environmental information, call 800-EASTMAN.

For emergency transportation information, call CHEMTREC at 800-424-9300 or call 800-EASTMAN.

### 2. COMPOSITION INFORMATION ON INGREDIENTS

(Typical composition is given, and it may vary. A certificate of analysis can be provided, if available.)

Weight %	Component	CAS Registry No.
99 - 100%	pentaerythritol ester of rosin	65997-12-8
0 - 1%	residual additives, modifiers, colorants, reactants, and/or impurities	not applicable

### 3. HAZARDS IDENTIFICATION

LOW HAZARD FOR USUAL INDUSTRIAL OR COMMERCIAL HANDLING BY TRAINED PERSONNEL

**HMIS® Hazard Ratings:** Health - 1, Flammability -1, Chemical Reactivity - 0

*HMIS® rating involves data interpretations that may vary from company to company. They are intended only for rapid, general identification of the magnitude of the specific hazard. To deal adequately with the safe handling of this material, all the information contained in this MSDS must be considered.*

### 4. FIRST-AID MEASURES

**Inhalation:** If symptomatic, move to fresh air. Get medical attention if symptoms persist.

**Eyes:** Any material that contacts the eye should be washed out immediately with water. If easy to do,

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MARKETED BY  
**HARWICK STANDARD  
DISTRIBUTION CORPORATION**

60 S. Seiberling Street • Akron, Ohio 44305



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remove contact lenses. If molten material contacts the eye, immediately flush with plenty of water for at least 15 minutes. Get medical attention.

**Skin:** Wash with soap and water. If skin irritation or an allergic skin reaction develops, get medical attention. If burned by contact with molten material, cool as quickly as possible. Do not peel material from skin.

**Ingestion:** Seek medical advice.

**Note to Physicians:** Burns should be treated as thermal burns. The material will come off as healing occurs; therefore, immediate removal from the skin is not necessary.

### 5. FIRE FIGHTING MEASURES

**Extinguishing Media:** water spray, dry chemical

**Special Fire-Fighting Procedures:** Wear self-contained breathing apparatus and protective clothing.

**Hazardous Combustion Products:** carbon dioxide, carbon monoxide

**Unusual Fire and Explosion Hazards:** Powdered material may form explosive dust-air mixtures.

### 6. ACCIDENTAL RELEASE MEASURES

Sweep or scoop up and remove.

### 7. HANDLING AND STORAGE

**Personal Precautionary Measures:** Avoid contact with eyes and prolonged or repeated contact with skin. Avoid prolonged or repeated breathing of dust or vapor. Wash thoroughly after handling. Avoid contact with molten material.

**Prevention of Fire and Explosion:** Keep from contact with oxidizing materials. Minimize dust generation and accumulation. In the United States of America, refer to NFPA® Pamphlet No. 654, "Prevention of Fire and Dust Explosions in the Chemical, Dye, Pharmaceutical, and Plastics Industries."

**Storage:** Keep container closed.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

*Country specific exposure limits have not been established or are not applicable unless listed below.*

**Ventilation:** Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed systems, or respiratory and eye protection may be needed in special circumstances; such as poorly ventilated spaces, heating, evaporation of liquids from large surfaces, spraying of mists, mechanical generation of dusts, drying of solids, etc.

**Respiratory Protection:** If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. Respirator

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type: Air-purifying respirator with an appropriate, government approved (where applicable), air-purifying filter, cartridge or canister. Contact health and safety professional or manufacturer for specific information.

**Eye Protection:** It is a good industrial hygiene practice to minimize eye contact. Wear a face shield when working with molten material.

**Skin Protection:** It is a good industrial hygiene practice to minimize skin contact., When material is heated, wear gloves to protect against thermal burns.

**Recommended Decontamination Facilities:** eye bath, safety shower, washing facilities

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical Form:** solid

**Color:** amber

**Odor:** rosin

**Specific Gravity:** 1.09

**Softening Point:** 172.77 - 185.00 °C

**Solubility in Water:** negligible

**Thermal Decomposition Temperature:** Thermal stability not tested. Low stability hazard expected at normal operating temperatures.

### 10. STABILITY AND REACTIVITY

**Stability:** Not fully evaluated. Materials containing similar structural groups are normally stable.

**Incompatibility:** Material reacts with strong oxidizing agents.

**Hazardous Polymerization:** Will not occur.

### 11. TOXICOLOGICAL INFORMATION

**Inhalation:** Prolonged or repeated exposure to smoke or fumes generated by heating this product may cause respiratory sensitization.

**Skin:** Prolonged or repeated contact may cause skin sensitization in susceptible individuals.

*Acute toxicity data, if available, are listed below. Additional toxicity data may be available on request.*

### 12. ECOLOGICAL INFORMATION

*Acute toxicity data, if available, are listed below. Additional toxicity data may be available on request.*

### 13. DISPOSAL CONSIDERATIONS

Discharge, treatment, or disposal may be subject to national, state, or local laws.

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### 14. TRANSPORT INFORMATION

**Marine pollutant components: none unless listed below**

**DOT (USA):** Class not regulated

**ICAO Status:** Class not regulated

**IMDG Status:** Class not regulated

### 15. REGULATORY INFORMATION

**WHMIS (Canada) Status:** noncontrolled

**SARA 313:** none, unless listed below

**Carcinogenicity Classification (components present at 0.1% or more):** none, unless listed below

**TSCA (US Toxic Substances Control Act):** All components of this product are listed on the TSCA inventory. Any impurities present in this product are exempt from listing.

**DSL (Canadian Domestic Substances List) and CEPA (Canadian Environmental Protection Act):** All components of this product are listed on the DSL. Any impurities present in this product are exempt from listing.

**EINECS (European Inventory of Existing Commercial Chemical Substances):** All components of this product are listed on EINECS. Any polymer present in this product has regulatory clearance under Directives of the European Union.

**AICS / NICNAS (Australian Inventory of Chemical Substances and National Industrial Chemicals Notification and Assessment Scheme):** All components of this product are listed on AICS or otherwise comply with NICNAS.

**ECL (Korean Toxic Substances Control Act):** All components of this product are listed on the Korean inventory or otherwise comply with the Korean Toxic Substances Control Act.

### 16. OTHER INFORMATION

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*The information contained herein is based on current knowledge and experience; no responsibility is accepted that the information is sufficient or correct in all cases. Users should consider these data only as a supplement to other information. Users should make independent determinations of suitability and*

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*completeness of information from all sources to assure proper use and disposal of these materials, the safety and health of employees and customers, and the protection of the environment.*

**Highlighted areas indicate new or changed information.**